PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		n of Transmittal of International Search Report						
02-0370	ACTION (Form PC1/ISA	V220) as well as, where applicable, item 5 below.						
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)						
PCT/US 03/32169	09/10/2003	09/10/2002						
Applicant								
THE BOEING COMPANY								
This lettered Court Board to be								
according to Article 18. A copy is being tra	n prepared by this International Searching A ansmitted to the International Bureau.	luthority and is transmitted to the applicant						
T								
This International Search Report consists X It is also accompanied by	of a total of sheets. a copy of each prior art document cited in the	nis report.						
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Basis of the report With regard to the language the	international search was carried out on the t	pacie of the international application in the						
	ess otherwise indicated under this item.	oasis of the international application in the						
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation o	of the international application furnished to this						
b. With regard to any nucleotide an	d/or amino acid sequence disclosed in the	International application, the international search						
was carried out on the basis of the contained in the internation	e sequence listing : nal application in written form.							
filed together with the inte	rnational application in computer readable fo	orm.						
furnished subsequently to	this Authority in written form.							
I <u>=</u>	this Authority in computer readble form.							
the statement that the sub international application a	sequently furnished written sequence listing s filed has been furnished.	does not go beyond the disclosure in the						
the statement that the info furnished	rmation recorded in computer readable form	n is identical to the written sequence listing has been						
2. Certain claims were four	nd unsearchable (See Box I).							
3. Unity of invention is lack								
4. With regard to the title,								
X the text is approved as sui	omitted by the applicant.							
	ned by this Authority to read as follows:							
5. With regard to the abstract,								
the text is approved as sut	• • • • • • • • • • • • • • • • • • • •							
the text has been establish within one month from the	ed, according to Rule 38.2(b), by this Authodate of mailing of this international search re	ority as it appears in Box III. The applicant may, eport, submit comments to this Authority.						
6. The figure of the drawings to be published		1						
as suggested by the applic	ant.	None of the figures.						
X because the applicant faile	d to suggest a figure.							
because this figure better of	characterizes the invention.							

International application No.

INTERNATIONAL SEARCH REPORT

PCT/US 03/32169

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An aircraft wing includes a leading airfoil element (36) and a trailing airfoil element (38). At least one slot (12) is defined by the wing during at least one transonic condition of the wing. The slot (12) may either extend spanwise along only a portion of the wingspan, or it may extend spanwise along the entire wingspan. In either case, the slot (12) allows a portion of the air flowing along the lower surface (18) of the leading airfoil element (36) to split and flow over the upper surface (20) of the trailing airfoil element (38) so as to achieve a performance improvement in the transonic condition.

Relevant to claim No.

1-21,40, 41,51-59

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B64C3/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ B64C$

Category ° Citation of document, with indication, where appropriate, of the relevant passages

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

X	US 6 293 497 B1 (ANAST PETER Z ET AL) 25 September 2001 (2001-09-25)	22-39, 42-50,
Υ	cited in the application abstract	60,61 1-21,40,
	column 1, line 27 - line 63	41,51-59
	column 2, line 46 -column 4, line 63; figures	

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29 April 1998 (1998-04-29)
cited in the application
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60,61

abstract

column 1, line 16 - line 42

column 3, line 26 -column 4, line 33; figures

-,

Further documents are listed in the continuation of box C.

| X | Patent family members are listed in annex.

Special categories of cited documents:

Υ

- 'A' document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filling date but later than the priority date claimed

Date of the actual completion of the international search

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

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29/04/2004

Name and mailing address of the ISA

19 April 2004

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Monica S. O. Navarro

Date of mailing of the international search report

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/32169

	etion) DOCUMENTS CONSIDERED TO BE RELEVANT			
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1	US 4 856 735 A (KUEHL PETER ET AL) 15 August 1989 (1989-08-15) abstract column 3, line 5 - line 66	1-61		
	US 5 265 830 A (ALLEN JOHN B) 30 November 1993 (1993-11-30) column 1, line 11 - line 30	1-61		

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